Lynac Lithium Technology

DESIGNED IN NORTH AMERICA

LT 12.8V 100Ah TRUE Series Battery

PLUS - Bluetooth & Battery Heating

Our most popular Smart Lithium (LFP) Battery, crafted with the perfect combination of size, weight, and power. This rock solid 12.8V 120Ah battery is a true master of all trades - Golf Cart - Trolling Motor - Off Grid Power Systems, and everything between. With Bluetooth Monitoring and Battery Heating.

Electrical Properties

12.8V 120Ah 1536Wh

Cycle Life

6000 Cycles at 0.2C to 80% DoD

Dimensions

BCI Group Fit 31

12.99" x 6.77" x 8.46"

(330 × 172 × 215mm)

30lbs (13.75kg)

Discharge

Optimal Current 24A (0.2C)

Max Cont. Current 120A (1C)

≤5min

Max Inst. Current 300A (2.5C)

≤5s

Charge

Optimal Current 24A (0.2C)

Max Cont. Current 120A (1C)

≤5min

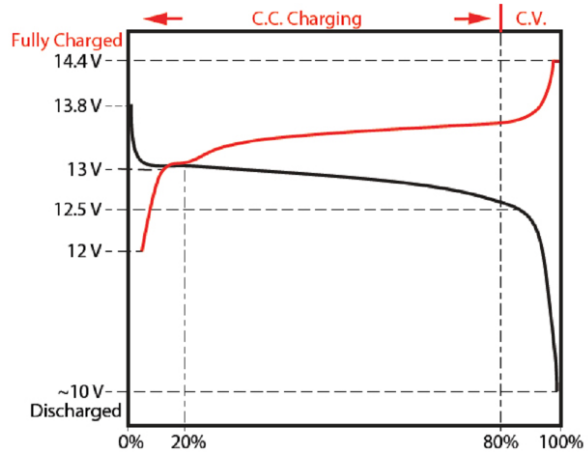
Ingress Protection

IP65

Certifications

UN 38.3, UL1642, IEC626619-3600,

3.2V26650 CB IEC62133



BMS Properties

Charge Balancing, Bluetooth Monitoring, Self Heating, Software Adjustable.

Current, Voltage, Short Circuit, High+Low Temp Protection.

Terminal Connections

Brass M8 Screw, Torque = 28N.m = 21ft.lbs

Warranty

3 Year Manufacturer with 7 Year Prorated

- Waterproof
- Featherweight
- Shock Resistant
- Supercharged
- Bluetooth
- Internal Heating

TRUE Series

What is TRUE Series?

Our True Series battery offers you the extra Power you deserve. We add an extra 20% capacity to every battery ensuring our ratings match the usable energy you can expect from a Lynac Lithium. 100 percent! In other words, our 12.8V 100Ah (1280Wh) battery is truly rated for 12.8V 120Ah (1536Wh). Since roughly 10% to 20% of the rated Power stored in all Lithium Iron Phosphate batteries is unusable, we strived to give you more for less - change the game.

Phone: 1 (877) 330-4519 **Email: Sales@lynac.com**

Battery Storage

70% State of Charge @13.2V - in a cool dry location.
Disconnect all loads and sources - Verify charge level after one month.
Can store in sub-zero temperatures if battery charge level is properly maintained.

Charge Settings

Absorb Voltage: 14.0Vdc - 14.4Vdc
Max Charge Voltage: 14.6Vdc
Ideal Bulk Current: 0.2C - 0.5C (20Adc - 50Adc for a 100Ah Battery)
Float Voltage: 13.2Vdc - 13.6Vdc (not required)
Tail Current: 0.02C - 0.05C (2A - 5A for a 100Ah battery)
Equalization: Off (or set to Absorb Voltage)
Temperature Compensation: Off
Peukert Exponent: 1.0
Charge Efficiency Factor: 99%
Basic Profile: Constant Current - Constant Voltage (CC-CV)

Voltage vs State of Charge

Voltage	13.9V	13.6V	13.4V	13.3V	13.2V	13.2V	13.0V	12.9V	12.8V	12.5V	12.1V	10.0V
Capacity	100%	99%	98%	90%	70%	40%	30%	20%	17%	14%	10%	0%

IMPORTANT: BATTERY INFORMATION

- LFP batteries can be operated in sub zero Temperatures but LFP cells should not be charged below freezing-low temperature charge protection and/ or battery heating can be used to prevent damage.
- LFP batteries should not be charged directly from an Alternator without proper regulation.
  Batteries should always be isolated from other battery chemistries in the system.
- Parallel connected batteries can be charged using a single bank charger without added battery balancing. Battery balancers are needed when charging series connected batteries using a single bank charger. A multi bank charger can act as a balancer but only while charging to full capacity.
- Maintenance and trickle charging is not necessary for LFP batteries and can be damaging.
  When batteries are not in use, leave resting in a partial state of charge (appox. 60% - 80%) - charge before using.